

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1

of

2

**Complete if Known**

Application Number	10/139,002
Filing Date	MAY 3, 2002
First Named Inventor	FRANK P. UCKERT ET AL.
Group Art Unit	1713
Examiner Name	UNKNOWN
Attorney Docket Number	PE0669 US NA

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number -	Kind Code <sup>2</sup> (if known)			
<i>lc</i>		US -	5,708,130 A	01/13/1998	WOO ET AL.	
<i>lc</i>		US -	5,900,327 A	05/04/1999	PEI ET AL.	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
<i>lc</i>		WO	99/54943	A1	10/28/1999	DOW CHEMICAL CO.		<input type="checkbox"/>
<i>lc</i>		WO	00/55927	A1	09/21/2000	CAMBRIDGE DISPLAY TECHNOLOGY LTD		<input type="checkbox"/>
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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First Named Inventor	FRANK P. UCKERT ET AL.
Group Art Unit	1713
Examiner Name	UNKNOWN
Attorney Docket Number	PE0669 US NA

**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
lc		COWELL, ALLAN B. ET AL., Fluoroalkylation of Aromatic Compounds, Journal of Fluorine Chemistry, 17, 1981, 345-356, Elsevier Sequoia S.A., Lausanne, The Netherlands	<input type="checkbox"/>
lc		KAMIGATA, NOBUMASA ET AL., Direct Perfluoroalkylation of Aromatic and Heteroaromatic Compounds with Perfluoroalkanesulfonyl Chlorides Catalysed by a Ruthenium (II) Phosphine Complex, J. Chem. Soc. Perkin Trans., 1, 1994, 1339-1346	<input type="checkbox"/>
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Filing Date	MAY 3, 2002
First Named Inventor	FRANK P. UCKERT ET AL
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**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)				
<i>lu</i>		US - 5,708,130 A		01/13/1998	WOO ET AL	/
<i>lu</i>		US - 5,962,631 A		10/05/1999	WOO ET AL	
<i>lu</i>		US - 6,169,163 B1		01/02/2001	WOO ET AL	
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		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
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SignatureDate  
Considered

6/4/06

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PTO/SB/08A (08-03)  
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

### Complete if Known

Application Number	10/816,160
Filing Date	APRIL 1, 2004
First Named Inventor	Frank P. Uckert et al.
Group Art Unit	1713
Examiner Name	Unknown
Attorney Docket Number	PE0669USDIV

### U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number -	Kind Code <sup>2</sup> (if known)			
/		US -	4,508,639	04-02-1985	Camps et al.	/
		US -	5,621,131A	04-15-1997	Kreuder et al.	
		US -	5,770,070A	07-07-1998	Inasekaran et al.	
		US -	5,814,244A	09-29-1998	Kreuder et al.	
		US -	5,821,002A	10-13-1998	Ohnishi et al.	
		US -	5,856,434A	01-05-1999	Stern et al.	
		US -	5,962,631A	10-05-1999	Woo et al.	
		US -	5,900,327A	05-04-1999	Pei et al.	
		US -	5,998,045A	12-07-1999	Chen et al.	
		US -	6,204,515 B1	03-20-2001	Bernius et al.	
		US -	6,309,763 B1	10-30-2001	Woo et al.	
		US -	6,353,083 B1	03-05-2002	Inbasekaran et al.	
		US -	6,541,602 B1	04-01-2003	Spreitzer et al.	
		US -	6,653,438 B1	11-25-2003	Spreitzer et al.	
		US -	6,605,373 B1	08-12-2003	Woo et al.	
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		CountryCode <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
/		EP 0	259 229 B1	09-02-1987	Makromolekulare Chemie	/	<input type="checkbox"/>
		EP 0	956 312 B1	01-29-1998	JSR Corporation		<input type="checkbox"/>
		WO 01/07502	A2	02-01-2001	Cambridge Display Techn		<input type="checkbox"/>
		WO 00/53656	A1	09-14-2000	Cambridge Display Techn		<input type="checkbox"/>
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Examiner  
Signature

*[Signature]*

Date  
Considered

6/5/06

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>	
Application Number	10/809,737	Filing Date	April 1, 2004
First Named Inventor	Frank P. Uckert et al.	Group Art Unit	1713
Examiner Name	Unknown	Attorney Docket Number	PE0669USDIV
Sheet	2	of	2

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
LC		DE 19846767, Partially conjugated polymer useful as an organic semiconductor or an electroluminescence material, and for display elements in television monitor and illumination technology contains fluorene building units, Abstract, 08-13-2000, Aventis Res & Technologies GmbH	<input type="checkbox"/>
		JP 2000319272, (Diaryl amino) furan analogues with improved stability, useful pharmaceutical intermediates and electron hole transport or photosensitive materials, Abstract, 04-21-2001, Tosoh Corp	<input type="checkbox"/>
		JP 08157575, Carrier transport polymers – useful as carrier transport materials in organic thin film electroluminescence devices, Abstract, 10-25-1998, Toppan Printing Co. Ltd.	<input type="checkbox"/>
		JP 2000143778, Display element such as cathode ray tube and light emitting diode, comprises specified light emitting compound as color developing materials, Abstract, 10-06-2000, Samsung Denkan KK	<input type="checkbox"/>
		JP 10273522, Production of phenylene group-containing copolymers – comprises copolymerizing phenylene group-containing compounds in presence of catalysts containing transition metal compounds, Abstract, 01-13-1999, Nippon Gosei Gomu KK	<input type="checkbox"/>
		JP 10273521, Production of phenylene group-containing copolymers – comprises copolymerizing phenylene group-containing compounds in presence of catalysts containing transition metal compounds, Abstract, 12-23-1999, Nippon Gosei Gomu KK	<input type="checkbox"/>
		JP 03028220, Electrochromic elements for display or optical shield glass – contg. film of polyphenylene polymer derived from fluorene, Abstract, 09-28-1993, Idemitsu Kosan Co. Ltd.	<input type="checkbox"/>
		JP 03017120, Polyphenylene polymers used as conductive material or display material are produced by chemical or electrochemical-oxidative polymerizing of specified fluorene derivs, Abstract, 09-28-1993, Idemitsu Kosan Co. Ltd.	<input type="checkbox"/>
		JP 02269734, New polyphenylene-type polymer prepd. By oxidn. Polymerization of fluorene derive., Abstract, 09-28-1993, Idemitsu Kosan Co. Ltd.	<input type="checkbox"/>
LC		KR 99057430, Fluorene-based alternating statistical copolymer containing multi-luminescence groups and electroluminescence device using the same, Abstract, 07-15-1999, Korea Adv Inst Sci & Technology	<input type="checkbox"/>
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Examiner Signature		Date Considered	6/5/06
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